

AMENDED CLAIM SET

1. A wireless heartbeat detector comprising:

~~a wireless pulsation detector for detecting heartbeat signals and transmitting heartbeat signals, and a wireless receiving display for displaying the heartbeat value;~~ the wireless pulsation detector including

~~wherein said wireless pulsation detector having at least one heartbeat detector, a signal processing circuitry and a wireless signal transmission circuitry; said heartbeat detector is an infrared detector to detect the pulsation signals; said signal processing circuitry receives, converts and amplifies the signals into more stable signals; said wireless signal transmission circuitry encodes and transmits the stable signals;~~

~~when said heartbeat detector detects the pulsation signals from earlobe or finger tips, the pulsation signals are received, converted and amplified by said signal processing circuitry, the processed and more stable signals then are encoded and transmitted out through said radio frequency wireless signal transmission circuitry.~~

a heartbeat detector, the heartbeat detector detecting a pulsation signal,

a signal processing circuitry, the pulsation signal being converted and amplified into a processed signal by the signal processing circuitry, and

a radio frequency wireless signal transmission circuitry,  
the processed signal being transmitted by the radio frequency  
wireless signal transmission circuitry via a radio frequency;

a wireless receiving circuitry, the processed signal being  
received by the wireless receiving circuitry via the radio  
frequency and being converted into a heartbeat rate; and

a display, the heartbeat rate being displayed by the display.

2. (Currently Amended) The wireless heartbeat detector recited in claim 1, wherein said heartbeat detector is at least one of a reflection infrared detector ~~or~~ and a penetration infrared detector.

3. (Currently Amended) The wireless heartbeat detector recited in claim 1, wherein ~~said wireless receiving the display~~ is ~~connected to a display apparatus, or~~ carried on at least one of a wrist ~~or on~~ and a waist.

4. (Currently Amended) The wireless heartbeat detector recited in claim 1, wherein said radio frequency wireless signal transmission circuitry ~~can be~~ is placed on at least one of the a cloth, heads, a head, earlobe collars, a fingertip ~~finger tips or~~ and a wrist of the users a user.

5. (New) The wireless heartbeat detector recited in claim 4, wherein the heartbeat detector, the signal processing circuitry, and the radio frequency wireless signal transmission circuitry are all placed only on the fingertip of the user.

6. (New) The wireless heartbeat detector recited in claim 5, wherein the wireless pulsation detector further includes a radio unit.

7. (New) The wireless heartbeat detector recited in claim 1, wherein the wireless pulsation detector further includes a radio unit.